

SUBSTITUTE FOR FORM 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/674,368
		Filing Date	April 29, 1999
		First Named Inventor	Thomas N. Metcalf, III
		Group Art Unit	
Examiner Name		Attorney Docket Number	ACY33,377
Sheet	1	of	2

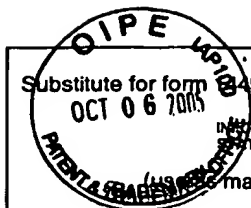
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number (If known)	Kind Code (If known)			
/BG/	1.	4,443,431		Buchanan, T. M., et al.	04-17-1984	
/BG/	2.	4,702,911		McMichael, J. C.	10-27-1987	
/BG/	3.	5,098,998		Mekalanos, J. J., et al.	03-24-1992	

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Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (If known)				
/BG/	4.	EP	0 202 260 B1		Mattick, J. S., et al.	06-03-1992		<input type="checkbox"/>
	5.	PCT	WO 92/13871		Normark, S., et al.	08-20-1992		<input type="checkbox"/>
	6.	PCT	WO 93/11791		Smith, A. W.	06-24-1993		<input type="checkbox"/>
	7.	PCT	WO 94/00153		Prieels, J., et al.	01-06-1994		<input type="checkbox"/>
	8.	PCT	WO 94/08013		So, M. Y.	04-14-1994		<input type="checkbox"/>
/BG/	9.	PCT	WO 96/31618		Sparling, P., et al.	10-10-1996		<input type="checkbox"/>

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS				
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/BG/	10.	ACHTMAN, M., et al.; The Journal of Infectious Diseases 165:53-68 (1992)	<input type="checkbox"/>	
	11.	AHO, E. L., et al.; Infection and Immunity 65:7:2613-2620 (July 1997)	<input type="checkbox"/>	
	12.	ALVES, A. M. B., et al.; American Society for Microbiology, Abstract E-79, Page 253 (1997)	<input type="checkbox"/>	
	13.	BOSLEGO, J. W., et al.; Vaccine 9:154-162 (March 1991)	<input type="checkbox"/>	
	14.	BUCHANAN, T. M., et al.; Bacterial Vaccines, Chapter 21, Pages 160-164 (1982)		
	15.	CARRICK, C. S., et al.; Gene 198:89-97 (October 1997)		
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	17.	EISENSTEIN, B. I. and KOOMEY, J. M.; Recombinant DNA Vaccines: Rationale and Strategies, Chapter 5, Pages 89-113 (1992)	<input type="checkbox"/>	
	18.	ELLEMAN, T. C., et al.; Infection and Immunity 51:1:187-192 (January 1986)	<input type="checkbox"/>	
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	22.	HECKELS, J. E.; Clinical Microbiology Reviews 2 (Suppl.), Pages S66-S73 (April 1989)	<input type="checkbox"/>	
	23.	HOYNE, P. A., et al.; Journal of Bacteriology 174:22:7321-7327 (November 1992)	<input type="checkbox"/>	
	24.	HULL, R. A., et al.; Infection and Immunity 33:3:933-938 (September 1981)	<input type="checkbox"/>	
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	26.	LEVINE, M. M., et al.; Fimbriae, Adhesion, Genetics, Biogenesis and Vaccines, Chapter 18, Pages 255-270 (1994)	<input type="checkbox"/>	
	27.	MAKRIDES, S. C.; Microbiological Reviews 60:3:512-538 (September 1996)		
	28.	MARINARO, M., et al.; Annals New York Academy of Sciences, 795:361-365 (October 1996)	<input type="checkbox"/>	
	29.	MEYER, T. F., et al.; Cell 30:45-52 (August 1982)	<input type="checkbox"/>	
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	31.	O'MEARA, T. J., et al.; Immunology and Cell Biology 71:473-488 (1993)	<input type="checkbox"/>	
	32.	OLAFSON, R. W., et al.; Infection and Immunity 48:2:336-342 (May 1985)	<input type="checkbox"/>	
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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) data, page(s), volume-issue number(s), publisher, city and/or country where published.	T
/BG/	37.	ROTHBARD, J. B. and SCHOOLNIK; Adv. Exp. Med. Biol. 185:247-273 (1985)	<input type="checkbox"/>
	38.	SAUKKONEN, K. and LEINONEN, M.; Gonococci and Meningococci, Pages 815-820 (1986)	<input type="checkbox"/>
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/BG/	50.	VIRJI, M., et al.; Molecular Microbiology 10:5:1013-1028 (1993)	<input type="checkbox"/>

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